ABSTRACT

A combustion system which comprises a combustion chamber (1) wherein the supply of air is intercepted and a fluid (L) formed by mixing combustibles with water is supplied, water in the fluid (L) is thermally decomposed, combustibles are burnt, and a gas after combustion is discharged, a fluid storage tank (40) for storing the fluid (L) formed by mixing combustibles with water, a fluid supply section (50) for supplying the fluid (L) in the fluid storage tank (40) to the combustion chamber (1), and a gas recovery section (60) for recovering a gas discharged from the combustion chamber (1). The above combustion system inhibits the formation of nitrogen oxides, since the system is almost free from the contamination of nitrogen in air, and produces an exhaust gas containing hydrogen and carbon dioxide as main components, which results in the production of a clean exhaust gas and east recovery of an exhaust gas.